

Study notes for emissions and greenhouse gases

Definition:

- emissions: Is a discharge of something example gas into the open air.
- CFC:chlorofluorocarbon a gas.

Automobiles:

- A form of transportation that uses an internal combustion engine to travel to other places faster and in less time.
- Carbon monoxide, Hydrocarbons, and nitrogen oxide. Are the gases that come from the exhaust pipe.

Factories:

- A place where products are made and raw materials and molded to create objects for the public. Example clothes, food, toys, and electronics.
- Most common fumes that come out of factory chimneys,carbon dioxide (CO₂), carbon monoxide (CO), sulphur dioxide (SO₂), nitrogen oxide (NO) and ozone.

Sources of heat:

- Places that create heat use fuel and leave products of emissions such as smoke from a fire and from furnaces.
- All sources of heat produce nitrogen oxide and carbon dioxide.
- Sources of heat that have high sulfur content will also produce sulfur dioxide.

Emissions rising:

- These gases from automobiles, factories, and sources of heat will travel upwards into the atmosphere.
- There are five layers of the atmosphere.
- Troposphere
- Stratosphere
- Mesosphere
- Thermosphere
- Exosphere

What the gases do:

- In the atmosphere the gases sit and create a shield from earth to space and because of the earth's gravity the gases can't escape.

Greenhouse effect:

- The greenhouse effect is when the sun's rays travel to the earth and bounce off and travel back out to space.
- But because of the emissions that have traveled up to the atmosphere is blocking the rays way and forcing it back down to earth.
- Which causes the earth to heat up more than it should.

Effect on temperature:

- Due to the greenhouse effect the earth temperature has changed and everyone thinks that if the earth is heating up the temperature will heat up too.

Effect on glaciers:

- Due to the greenhouse effect the temperature does go up but we don't notice it because the heat melts the ice that basically cools the earth. But the glaciers shrink because of it.
- There are freckles in glaciers ice that are made up of the dust that is carried by the fumes of factories and other sources of fumes.
- The blackness of the freckles make it easier for the sun to soak into the ice and melt it.

Effect on weather:

- It affects weather and makes it act abnormally due to the temperature and the rise in sea levels
- tornados, hurricanes, and acid rain may occur.

Effect on air:

- Due to the emissions air becomes a little bit toxic and in some city unbearable toxic that people should stay inside as much as possible. due to the air quality index that is rising.

Effect on people:

- pollution also effect health of people. Thing that are effected is breath.
- Irritated lungs and airways.
- And the air can worsen chronic diseases such as heart disease, chronic bronchitis, emphysema and asthma.

Solutions:

- If these things are not prevented, the future of planet earth is very bleak.

Automobiles:

- The future for the automobile is the electric car and other types of oil like frying oil and vegetable oil.

Factories:

- Factories are now using strong filtering in their smokestacks and some others are installing solar panels.

Sources of heat:

- For sources of heat turning thing electric is what needs to happen because it stops the creation of smoke.